

United States Department of Agriculture

BUREAU OF ANIMAL INDUSTRY

SERVICE AND REGULATORY ANNOUNCEMENTS

JANUARY, 1928

This publication is issued monthly for the dissemination of information, instructions, ruling, etc., concerning the work of the Bureau of Animal Industry. Free distribution is limited to persons in the service of the bureau, establishments at which the Federal meat inspection is conducted, public officers whose duties make it desirable for them to have such information, and journals especially concerned. Others desiring copies may obtain them from the Superintendent of Documents, Government Printing Office, Washington, D. C., at 5 cents each, or 25 cents a year. A supply will be sent to each official in charge of a station or branch of the bureau service, who should promptly distribute copies to members of his force. A file should be kept at each station for reference.

CONTENTS

	Page
Changes in directory	1
Notice regarding meat inspection	2
Animal casings of foreign origin	2
Animals slaughtered under Federal meat inspection, December, 1927	3
Extent of tuberculosis in animals slaughtered at three important markets, December, 1927	3
Causes of condemnation of carcasses, November, 1927	3
Foreign meat-inspection officials	3
Imports of food animals and meat products	4
Summary of tuberculosis-eradication work in cooperation with States, December, 1927	4
Countries free from foot-and-mouth disease and rinderpest	5
Anti-hog-cholera serum and hog-cholera virus produced under licenses	5
Proceedings under packers and stockyards act	6
Results of prosecutions for violations of laws	6
Dr. E. C. Schroeder dies	7
Changes in bureau organization	7
Demodectic mange reports	7
New publications of the bureau	8
Organization of the Bureau of Animal Industry	8

CHANGES IN DIRECTORY

Meat Inspection Granted

- 110. Oriental Show-You Co., Columbia City, Ind.
- 384. Briggs Packing Co. (Inc.), 203 Seventh Street NW., Washington, D. C.
- 766. Manaster-Ehrman (Inc.), 1141 West Forty-seventh Street, Chicago, Ill.
- 909. L. Forman & Sons, 425 East Forty-seventh Street, New York, N. Y.

Meat Inspection Withdrawn

- 523. The Blumenstock & Reid Co., Cleveland, Ohio.
- 538. Walter Hutwelker (Inc.), Brooklyn, N. Y.
- 835-A. Barton & Co., Seattle, Wash.
- 845. Carmel Kosher Provision Co., Brooklyn, N. Y.

Meat Inspection Extended and Change in Address of Official Establishment

- 105. Palestine Brand Kosher Wurst Factory (Inc.), 206 Meeker Avenue, Brooklyn, N. Y., and Hygrade Food Products Corporation, Hygrade Provision Co. (Inc.), Carmel Kosher Provision Co. (Inc.), instead of 135-137 South Eighth Street.
- 973. Hygrade Provision Co. (Inc.), 131-137 South Eighth Street, Brooklyn, N. Y., and Carmel Kosher Provision Co. (Inc.), Hygrade Food Products Corporation, Palestine Brand Kosher Wurst Factory (Inc.), instead of 131-133 South Eighth Street.

Change in Name of Official Establishment

- 296-A. The Kroger Grocery & Baking Co., Columbus, Ohio, instead of Establishment 994, The Ohio Packing Co., Columbus, Ohio.
- 446. Trunz Pork Stores (Inc.), 25-39 Lombardy Street, Brooklyn, N. Y., instead of Max Trunz, 25-29 Lombardy Street.
- 804. Delizia Sausage Mfg. Co., 3831-3833 South Halsted Street, Chicago, Ill., instead of Sotir & Sorich Co.

976-A. Emanuel Frank, 614 West Thirty-ninth Street, New York, N. Y., instead of Moe Frank.

Change of Official in Charge

Dr. B. C. Johnson succeeds Doctor Cullen (deceased) as inspector in charge at West Fargo, N. Dak.

New Substation

Columbia City, Ind., meat inspection, under Fort Wayne, Ind.

NOTICE REGARDING MEAT INSPECTION

ANIMAL CASINGS OF FOREIGN ORIGIN

Certificates required by B. A. I. Order 305 and instructions issued thereunder, which bear the official titles of the high officials of the respective foreign countries as specified below, will be acceptable with animal casings offered for importation into the United States.

The certificates must also bear the signature of the high official of the national Government having jurisdiction over the health of animals in the foreign country in which the casings originated, but owing to the fact that the high officials are changed from time to time, it is impracticable to publish their names.

Official Title	Foreign Country
Minister of Development.....	Chile.
Minister of Agriculture.....	Turkey.
Minister of the Interior.....	Germany.
Director of the Economic and Agricultural Services....	State of the Alouites.
Minister of Agriculture.....	Latvia.
Minister of Agriculture.....	Republic of the Lebanon.
Minister of Agriculture and Labor.....	China (Tientsin only).

Additional official titles will be published when received from other foreign countries.

ANIMALS SLAUGHTERED IN DECEMBER, 1927, UNDER FEDERAL MEAT INSPECTION IN THE DISTRICTS REPRESENTED BY THE CITIES IN THE FOLLOWING TABLE:

Station	Cattle	Calves	Sheep	Goats	Swine
Baltimore.....	6,470	744	1,250	-----	90,320
Buffalo.....	7,415	2,770	7,747	-----	101,370
Chicago.....	143,226	52,129	233,960	137	663,631
Cincinnati.....	10,414	5,101	4,070	81	93,504
Cleveland.....	7,743	6,157	11,766	-----	109,429
Denver.....	8,924	1,868	10,376	-----	27,273
Detroit.....	7,221	5,724	22,966	-----	117,994
Fort Worth.....	48,827	39,476	13,015	686	25,368
Indianapolis.....	17,360	3,259	2,640	4	165,203
Kansas City.....	84,369	18,363	95,342	322	187,810
Milwaukee.....	15,834	46,618	4,346	-----	142,912
National Stock Yards.....	31,539	5,344	26,906	104	125,309
New York.....	32,663	48,335	186,680	16	148,015
Omaha.....	72,489	7,755	137,396	32	148,826
Philadelphia.....	6,794	6,971	15,541	-----	97,675
St. Louis.....	12,912	3,876	5,170	2	179,035
Sioux City.....	35,152	4,127	66,650	-----	146,974
South St. Joseph.....	29,371	6,696	91,742	3	116,341
South St. Paul.....	41,869	47,214	34,239	1	404,189
Wichita.....	7,910	3,183	5,136	1	46,419
All other establishments.....	132,641	60,776	117,026	402	1,731,011
Total: December, 1927.....	761,143	376,486	1,093,964	1,791	4,868,608
December, 1926.....	886,805	410,046	1,171,829	1,410	4,393,602
12 months ended December, 1927.....	9,520,104	4,876,907	12,882,039	23,311	43,633,460
12 months ended December, 1926.....	10,180,146	5,152,589	12,960,878	32,229	40,636,208

Horses slaughtered at all establishments, December, 1927, 11,716. Inspections of lard at all establishments, 166,406,001 inspection pounds; compound and other substitutes, 33,614,345 inspection pounds; sausage chopped, 60,080,042 inspection pounds. Corresponding inspections for December, 1926: Lard, 148,764,528 inspection pounds; compound and other substitutes, 47,724,544 inspection pounds; sausage chopped, 61,034,912 inspection pounds.

(These totals of inspection pounds do not represent actual production, as the same product may have been inspected and recorded more than once in the process of manufacture.)

¹ The Chinese certificate for animal casings is acceptable for those from Tientsin only.

EXTENT OF TUBERCULOSIS IN ANIMALS SLAUGHTERED AT THREE IMPORTANT MARKETS, DECEMBER, 1927

Station	Total slaughter	Retained for tuberculosis		
		Total	Passed for sterilization	Condemned
Cattle:				
Chicago.....	143, 226	8, 142	207	1, 474
Kansas City.....	84, 369	374	11	63
Omaha.....	72, 489	937	72	130
Swine:				
Chicago.....	663, 631	77, 238	1, 255	928
Kansas City.....	187, 810	9, 409	96	55
Omaha.....	148, 826	14, 760	182	157

CAUSES OF CONDEMNATION OF CARCASSES, NOVEMBER, 1927

Cause	Cattle	Calves	Sheep	Swine
Emaciation.....	694	122	429	84
Hog cholera.....				2, 255
Inflammatory diseases.....	1, 156	167	864	4, 723
Immaturity.....		201		
Tuberculosis.....	4, 870	56		3, 380
All other causes.....	1, 778	269	596	2, 411
Total.....	8, 498	815	1, 889	12, 853

FOREIGN MEAT-INSPECTION OFFICIALS

The name of Jozsef Hegyi, of Hungary, has been removed from the list of foreign national government officials authorized to sign and issue certificates of inspection for meat and meat food products offered for importation into the United States.

IMPORTS OF FOOD ANIMALS AND MEAT PRODUCTS

The statements following show the imports of food animals and of meats and meat food products inspected by the Bureau of Animal Industry during December, 1927, with figures for other periods for comparison:

Imports of food animals

Country of export	Cattle	Swine	Sheep	Goats
Mexico.....	23, 810		1, 238	
Canada.....	21, 956	7, 376	703	
Virgin Islands (to Porto Rico).....	222			
Total: December, 1927.....	45, 988	7, 376	1, 941	
December, 1926.....	49, 644	28, 523	121	5
12 months ended December, 1927.....	454, 587	192, 190	35, 064	187
12 months ended December, 1926.....	325, 673	100, 588	53, 504	66

¹ 2 cattle from Canada shipped in bond to Mexico not included in this number.

NOTE.—The 239 cattle shown in the table on page 92 of Service and Regulatory Announcements for November, 1927, as having been imported from England during October originated on the Channel Islands and were transferred en route to the United States at a point off the coast of England. No cattle were imported from England proper during October owing to outbreaks of foot-and-mouth disease in that country.

Imported meats and meat food products

Country of export	Fresh and refrigerated		Canned and cured	Other products	Total weight
	Beef	Other			
	Pounds	Pounds	Pounds	Pounds	Pounds
Argentina.....			855,694	91,892	947,586
Australia.....	50	9,160	10	6,620	15,840
Brazil.....			14,352	50,266	64,618
Canada.....	5,504,867	1,069,960	1,747,779	1,365,788	9,688,394
Uruguay.....			1,138,135	61,712	1,199,847
Other countries.....			236,779	194,507	431,286
Total: December, 1927.....	5,504,917	1,079,120	3,992,749	1,770,785	12,347,571
December, 1926.....	1,075,026	1,357,719	3,471,632	399,241	6,303,618
12 months ended December, 1927.....	33,461,342	24,251,291	55,202,870	8,274,452	121,189,955
12 months ended December, 1926.....	12,988,122	15,259,373	30,641,749	4,193,923	63,083,167

Condemned in December, 1927: Beef, 80 pounds; pork, 503 pounds; total, 583 pounds.
 Refused entry: Beef, 1,114 pounds; pork, 2,549 pounds; total, 3,663 pounds.

SUMMARY OF TUBERCULOSIS-ERADICATION WORK IN COOPERATION WITH STATES, DECEMBER, 1927

State	Tuberculin tests during month			Total to date			Inspector in charge	State or Territorial official
	Herds or lots	Cattle tested	Cattle re-acted	Once-tested free herds	Accredited herds	Herds under supervision		
Ala.....	226	3,839	6	4,800	229	7,054	R. E. Jackson.....	C. A. Cary, Auburn.
Ariz.....	373	4,481	42	7,950	41	8,014	F. L. Schneider.....	S. E. Douglas, Phoenix.
Ark.....	92	614	3	2,886	17	5,211	H. L. Fry.....	J. H. Bux, Little Rock.
Calif.....	287	9,487	90	4,778	124	4,840	R. Snyder.....	J. P. Iverson, Sacramento.
Colo.....	24	669	12	2,361	155	2,791	W. E. Howe.....	C. G. Lamb, Denver.
Conn.....	631	11,006	617	3,610	1,388	6,625	R. L. Smith.....	J. M. Whittlesey, Hartford.
Del.....	103	1,507	99	2,795	1,627	5,138	W. G. Middleton.....	O. A. Newton, Bridgeville.
D. C.....				90	8	99	J. A. Kiernan.....	J. V. Knapp, Tallahassee.
Fla.....	112	2,865	8	7,047	423	7,911	J. G. Fish.....	J. M. Sutton, Atlanta.
Ga.....	334	5,669	38	6,122	40	6,167	A. L. Hirlman.....	A. J. Dickman, Boise.
Idaho.....	169	8,894	50	28,989	64	32,325	W. A. Sullivan.....	F. A. Laird, Springfield.
Ill.....	7,396	72,207	1,151	118,836	1,301	133,322	J. J. Lintner.....	Frank H. Brown, Indianapolis.
Ind.....	4,923	36,868	292	89,628	34,111	130,019	J. E. Gibson.....	M. G. Thornburg, Des Moines.
Iowa.....	4,875	79,578	1,990	89,688	7,795	150,627	J. A. Barger.....	J. H. Mercer, Topeka.
Kans.....	3,055	32,569	198	57,947	793	59,560	N. L. Townsend.....	D. E. Westmorland, Frankfort.
Ky.....	1,099	6,324	100	66,649	62	66,903	W. F. Biles.....	E. P. Flower, Baton Rouge.
La.....	186	3,574	65	6,286	19	6,623	G. T. Cole.....	H. M. Tucker, Augusta.
Me.....	1,110	8,569	28	30,088	3,695	33,792	G. R. Caldwell.....	James B. George, Baltimore.
Md.....	1,251	14,321	1,018	9,010	5,149	21,532	E. B. Simonds.....	F. B. Cummings, Boston.
Mass.....	323	6,121	369	1,625	604	3,156	E. A. Crossman.....	B. J. Killham, Lansing.
Mich.....	4,911	43,782	800	137,905	80	146,508	T. S. Rich.....	C. E. Cotton, St. Paul.
Minn.....	4,240	84,995	838	48,132	8,832	62,283	W. J. Fretz.....	R. V. Rafnel, Jackson.
Miss.....	171	1,185	1	5,884	88	5,972	H. Robbins.....	H. A. Wilson, Jefferson City.
Mo.....	468	5,643	28	60,946	965	64,393	Ralph Graham.....	W. J. Butler, Helena.
Mont.....	442	7,981	17	28,068	92	28,659	J. W. Murdoch.....	C. H. Hays, Lincoln.
Nebr.....	2,117	27,235	411	56,200	102	56,766	A. H. Francis.....	Edward Records, Reno.
Nev.....	55	1,452	8	1,024	11	1,272	L. C. Butterfield.....	A. L. Felker, Concord.
N. H.....	882	13,317	289	2,235	2,815	5,429	E. A. Crossman.....	J. H. McNeill, Trenton.
N. J.....	470	3,903	150	2,740	1,596	4,745	W. G. Middleton.....	Mat. Keenan, Albuquerque.
N. Mex.....	159	993	18	647	17	672	F. L. Schneider.....	E. T. Faulder, Albany.
N. Y.....	5,852	65,119	2,876	41,912	45,159	101,895	H. B. Leonard.....	Wm. Moore, Raleigh.
N. C.....	1,786	6,525	16	243,457	349	244,149	W. C. Dendering.....	W. F. Crewe, Bismarck.
N. Dak.....	912	14,703	78	37,551	4,753	47,092	H. H. Cohenour.....	F. A. Zimmer, Columbus.
Ohio.....	5,085	42,031	923	133,047	514	137,855	A. J. De Fosset.....	C. C. Hisel, Oklahoma City.
Okla.....	28	1,307	36		271		L. J. Allen.....	

Summary of tuberculosis-eradication work in cooperation with States, December, 1927—Continued

State	Tuberculin tests during month			Total to date			Inspector in charge	State or Territorial official
	Herds or lots	Cattle tested	Cattle re-acted	Once-tested free herds	Accredited herds	Herds under supervision		
Oreg.....	1,881	11,674	73	32,196	420	32,662	S. B. Foster.....	W. H. Lytle, Salem.
Pa.....	13,464	125,696	3,021	86,753	4,581	106,122	J. B. Reidy.....	T. E. Munce, Harrisburg.
R. I.....	33	656	106	119	55	337	E. A. Crossman....	T. E. Robinson, Providence.
S. C.....	1,986	6,011	26	35,764	117	35,948	W. K. Lewis.....	W. K. Lewis, Columbia.
S. Dak.....	149	3,506	35	8,624	1,062	10,167	J. O. Wilson.....	M. W. Ray, Pierre.
Tenn.....	1,091	6,946	17	37,688	298	38,067	H. M. O'Rear.....	W. B. Lincoln, Nashville.
Tex.....	164	1,736	67	1,324	193	1,908	H. L. Darby.....	N. F. Williams, Fort Worth.
Utah.....	802	5,919	52	10,722	73	11,547	F. E. Murray.....	W. H. Hendricks, Salt Lake City.
Vt.....	791	16,687	520	2,907	4,989	11,120	L. H. Adams.....	Edward H. Jones, Montpelier.
Va.....	1,188	7,385	63	10,559	2,201	13,041	R. E. Brookbank..	H. C. Givens, Richmond.
Wash.....	1,995	19,639	1,040	35,809	63	38,062	J. C. Euline.....	Robert Prior, Olympia.
W. Va.....	1,190	5,630	25	29,640	1,118	30,760	H. M. Newton.....	John W. Smith, Charleston.
Wis.....	5,383	93,582	1,218	99,810	9,700	113,665	J. S. Healy.....	Walter A. Duffy, Madison.
Wyo.....	10	242	0	8,306	3	9,462	John T. Dallas....	H. D. Port, Cheyenne.
Hawaii.....	36	1,339	38	-----	-----	-----	L. E. Case.....	L. E. Case.
Total.....	84,310	935,984	18,966	1,741,253	148,162	2,052,654	-----	-----

COUNTRIES FREE FROM FOOT-AND-MOUTH DISEASE AND RINDERPEST

Referring to Declaration No. 6, page 107 of Service and Regulatory Announcements for December, 1927, attention is called to the following: Remove name of England from the list of countries and add Finland. The designation "Ireland" includes both the Irish Free State and northern Ireland.

ANTI-HOG-CHOLERA SERUM AND HOG-CHOLERA VIRUS PRODUCED UNDER LICENSES

	Total serum	Clear serum completed	Hyperimmune blood cleared	Simultaneous virus	Hyperimmunizing virus
	<i>C. c.</i>	<i>C. c.</i>	<i>C. c.</i>	<i>C. c.</i>	<i>C. c.</i>
December, 1927.....	65,303,889	36,736,451	37,355,032	1,890,299	9,524,945
December, 1926, 12 months ended.....	118,903,465	45,831,451	45,046,535	1,698,034	16,144,089
December, 1927, 12 months ended.....	1,386,321,487	655,320,590	736,924,869	59,832,312	284,674,509
December, 1926.....	869,939,408	302,450,325	303,351,924	54,189,759	180,148,040

Licenses Issued for Biological Products in December, 1927

License No. 5 was issued December 14, 1927, to Parke, Davis & Co., Atwater and McDougall Streets, Detroit, Mich., for canine-distemper mixed antigen.

License No. 9 was issued December 5, 1927, to the Lederle Antitoxin Laboratories, Middletown Road, Pearl River, N. Y., for autogenous vaccine.

License No. 52 was issued December 7, 1927, to the Cutter Laboratory, Fourth and Parker Streets, Berkeley, Calif., for antihemorrhagic-septicemia serum.

License No. 117-A was issued December 14, 1927, to the O. M. Franklin Blackleg Serum Co., Second and Monroe Streets, North, Amarillo, Tex., for blackleg aggressin, blackleg bacterin, hemorrhagic-septicemia aggressin.

Licenses Terminated in December, 1927

License No. 117-A, issued April 15, 1927, to the Kansas Blackleg Serum Co., Second and Monroe Streets, North, Amarillo, Tex., was terminated December 14, 1927, and a new license, No. 117-A, dated December 14, 1927, was issued to the O. M. Franklin Blackleg Serum Co., of the same address.

PROCEEDINGS UNDER PACKERS AND STOCKYARDS ACT

Docket No. 223. In re D. W. Davis, dealer, Brighton Stockyards, Brighton, Mass. Notice of inquiry issued October 5, 1927, alleging failure to comply with bonding regulation. On January 5, 1928, a cease and desist order was issued and respondent suspended from registration as a dealer until he executes and maintains a reasonable bond to secure his obligations on that market.

Docket No. 250. In re Edward Sutherland, dealer, Union Stockyards, Chicago, Ill. Notice of inquiry was issued November 8, 1927, alleging failure to comply with bonding regulation. On January 19, 1928, a cease and desist order was issued against respondent.

Docket No. 252. In re A. J. Marlow, dealer, Union Stockyards, Chicago, Ill. Notice of inquiry was issued November 8, 1927, alleging failure to comply with bonding regulation. On January 31, 1928, a ceased and desist order was issued against respondent.

Docket No. 256. In re H. Heale, dealer, Union Stockyards, Chicago, Ill. Notice of inquiry was issued November 9, 1927, alleging failure to comply with bonding regulation. On January 31, 1928, a cease and desist order was issued against respondent.

Docket No. 257. In re A. B. Chapman, dealer, Detroit Stockyards, Detroit, Mich. Notice of inquiry was issued November 25, 1927, alleging failure to comply with bonding regulation. On January 12, 1928, a cease and desist order was issued against respondent.

Docket No. 264. In re James Dugdale, dealer, Union Stockyards, Chicago, Ill. Notice of inquiry was issued December 7, 1927, alleging failure to comply with bonding regulation. On January 12, 1928, a cease and desist order was issued, and respondent suspended from registration as a dealer until he executes and maintains a reasonable bond to secure his obligations on that market.

Docket No. 266. In re Fitzgerald & Co., dealer, Union Stockyards, Chicago, Ill. Notice of inquiry was issued December 7, 1927, alleging failure to comply with bonding regulation. On January 12, 1928, this case was dismissed without prejudice, as the records of this department now show that respondent is no longer engaged in business and that its registration as a dealer has been canceled.

RESULTS OF PROSECUTIONS FOR VIOLATIONS OF LAWS

Penalties and fines have been imposed in prosecutions for violations of regulatory laws, as reported to the bureau, as follows:

Twenty-eight Hour Law

Louisville & Nashville Railroad Co., \$100 penalty.
 Pennsylvania Railroad Co. (4 cases), \$400 penalties.

Livestock Quarantine Law

St. Louis-San Francisco Railway Co., interstate transportation of one dead hog in same car with live animals, \$100 fine.

DR. E. C. SCHROEDER DIES

A brilliant career in the field of veterinary medicine and pathology was ended with the death of Dr. Ernest C. Schroeder, January 24, at Bethesda, Md., where he was superintendent of the experiment station of the bureau. During his 40 years of public service Doctor Schroeder gained an international reputation as a research worker and made important contributions to the knowledge of animal diseases.

He was born in Baltimore, Md., April 3, 1865, and after an elementary education studied scientific agriculture at the Maryland Agricultural College. Later he received the degree of M. D. V. from Harvard College in 1887. In the same year Doctor Schroeder accepted an appointment in the Bureau of Animal Industry, then a new organization engaged, among other activities, in the suppression of contagious pleuropneumonia of cattle. In 1890 he was transferred to the laboratory of pathology and bacteriology, and in 1894 became superin-

tendent of the experiment station at Bethesda, Md., a position which he filled until his death.

Under Doctor Schroeder's administration the station developed from a small beginning in leased quarters to a well-equipped research institution widely recognized for important contributions in the study of animal-disease problems.

Besides being an unusually thorough and resourceful investigator whose results commanded wide attention, Doctor Schroeder was likewise a clear and forceful writer and speaker. Animal diseases which have received particular study at the experiment station were tuberculosis, contagious abortion, anthrax, dourine, tetanus, tick fever, and vesicular stomatitis. Doctor Schroeder was also a skilled investigator of the purity and potency of biological products used in veterinary medicine.

A series of complications impaired his health and death followed an illness of several months. Doctor Schroeder is survived by a son, a brother, and a sister, his wife having died in November, 1927.

CHANGES IN BUREAU ORGANIZATION

The following changes have been made in the personnel of several divisions of the bureau resulting from recent deaths and separations:

Dr. U. G. Houck, in addition to continuing as chief of the Division of Hog-Cholera Control, is designated associate chief of the bureau.

Dr. A. W. Miller has been appointed chief of the Packers and Stockyards Division and also is assistant chief of the bureau.

Dr. A. E. Wight is chief of the Tuberculosis Eradication Division.

Dr. G. W. Pope is chief of the Field Inspection Division.

Dr. W. E. Cotton is acting superintendent of the experiment station at Bethesda.

DEMODECTIC MANGE REPORTS

Referring to a circular notice entitled "Directions for Detecting Demodectic Mange in Livestock," dated December, 1926, and requesting reports from bureau stations, the need for regular reports no longer exists.

Inspectors in charge, therefore, may discontinue their monthly statements on the occurrence and extent of this parasitic disease in animals coming under their supervision. From the reports already received the bureau has derived valuable information on the geographical and seasonal distribution of demodectic mange.

Though this notice relieves inspectors of further regular reports, the bureau welcomes any information or data, relative to this disease, that inspectors are able to obtain during the regular course of their work. It is requested, therefore, that any unusual conditions or observations made, or any increase or decrease in prevalence, be reported promptly.

NEW PUBLICATIONS OF THE BUREAU

[The bureau keeps no mailing list for sending publications to individual employees, but sends copies to officers in charge of stations and offices. These publications should be regarded as notification copies. So far as possible additional copies will be furnished on request.]

Technical Bulletin 23. Costs and Methods of Fattening Beef Cattle in the Corn Belt, 1919-1923. By W. H. Black and E. W. McComas, Animal Husbandry Division, and three agricultural economists of the Bureau of Agricultural Economics. Pp. 114, figs. 16.

Technical Bulletin 44. The Swine Sanitation System as Developed by the Bureau of Animal Industry in McLean County, Ill. By H. B. Raffensperger and J. W. Connelly, Zoological Division. Pp. 20.

Farmers' Bulletin 1538. Incubation and Brooding of Chickens. Supersedes Farmers' Bulletins 1363 and 1376. By M. A. Jull and A. R. Lee, Animal Husbandry Division. Pp. 28, figs. 13.

Amendment 9 to B. A. I. Order 286 and Amendment 1 to B. A. I. Order 301, governing the sanitary handling and control of hides, fleshings, etc. Effective December 10, 1927. P. 1.

Amendment 33 to B. A. I. Order 294, placing the following-named counties in the modified accredited areas for a period of three years from January 3, 1928: Floyd, Ind.; Page and Woodbury, Iowa; Sherman, Kans.; Lincoln, Me.; Delta and Mason, Mich.; Mower, Minn.; Nemaha, Nebr.; Yadkin, N. C.; Darke and Wood, Ohio; Columbia, Wash.; Botetourt and Louisa, Va.; Kanawha, W. Va.; and Juneau and Wood, Wis. The following-named counties have been reaccredited for a period of three years from the same date: Red Lake, Minn.; and Durham, Hoke, and Pitt, N. C. P. 1 (mimeographed).

ORGANIZATION OF THE BUREAU OF ANIMAL INDUSTRY

Chief: JOHN R. MOHLER.

Associate Chief: U. G. HOUCK.

Assistant Chief: A. W. MILLER.

Administrative Assistant: CHARLES C. CARROLL.

Chief Clerk: J. R. COHRAN.

Editor: D. S. BURCH.

Animal Husbandry Division: E. W. SHEETS, chief.

Biochemic Division: M. DORSET, chief.

Division of Hog-Cholera Control: U. G. HOUCK, chief.

Division of Virus-Serum Control: D. I. SKIDMORE, chief.

Field Inspection Division: G. W. POPE, chief.

Meat Inspection Division: R. P. STEDDOM, chief.

Packers and Stockyards Division: A. W. MILLER, chief.

Pathological Division: JOHN S. BUCKLEY, chief.

Tick Eradication Division: R. A. RAMSAY, chief.

Tuberculosis Eradication Division: A. E. WIGHT, chief.

Zoological Division: MAURICE C. HALL, chief.

Experiment Station: E. C. SCHROEDER,² superintendent.

Office of Accounts: GEORGE F. TUCKER, in charge.

Office of Personnel: GEORGE H. RUSSELL, in charge.

² Died Jan. 24, 1928.

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